	Application No.	Applicant(s)	· · · · · · · · · · · · · · · · · · ·
Notice of Allowability	10/659,634	JEONG ET AL.	
	Examiner	Art Unit	
	Thong Q. Le	2818	
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in the or other appropriate communities. This application is suf-	the correspondence address	T 1110
1. This communication is responsive to 4/19/2004.			
2. The allowed claim(s) is/are <u>1-15</u> .			
3. \boxtimes The drawings filed on <u>09 September 2003</u> are accepted by	the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 	been received.		
2. Certified copies of the priority documents have	been received in Application I	No. <u>10/021,639</u> .	
3. Copies of the certified copies of the priority do	cuments have been received in	this national stage application	from the
Intérnational Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a lENT of this application.	eply complying with the require	ements
5. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give	tted. Note the attached EXAMI is reason(s) why the oath or de	NER'S AMENDMENT or NOTIclaration is deficient.	CE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.		•
(a) I including changes required by the Notice of Draftsperson	on's Patent Drawing Review (I	PTO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		e.4	
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in	the Office action of	
Identifying indicia such as the application number (see 37 CFR 1, each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the d se header according to 37 CFR 1	rawings in the front (not the bac .121(d).	k) of
 DEPOSIT OF and/or INFORMATION about the deposent attached Examiner's comment regarding REQUIREMENT F 	it of BIOLOGICAL MATERI OR THE DEPOSIT OF BIOLO	AL must be submitted. Note OGICAL MATERIAL.	the
Attachment(s)			
1. Notice of References Cited (PTO-892)		nal Patent Application (PTO-15	2)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ⊠ Interview Sumn Paper No./Mai	nary (PTO-413), I Date	
 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 	3), 7. ☐ Examiner's Am	endment/Comment	•
1. ☐ Examiner's Comment Regarding Requirement for Deposit	8. Examiner's Sta	tement of Reasons for Allowand	ce
of Biological Material	9. 🗌 Other	-7/	
		Mye	
		Thong Q. Le Primary Examiner Art Unit: 2818	
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	Application No.	Applicant(s)
Interview Summary	10/659,634	JEONG ET AL.
	Examiner	Art Unit
	Thong Q. Le	2818
All participants (applicant, applicant's representative, PTC	O personnel):	
(1) <u>Thong Q. Le</u> .	(3)	
(2) <u>Scott A. Schaffer</u> .	(4)	· · · · · · · · · · · · · · · · · · ·
Date of Interview: 21 May 2004.		
Type: a)⊠ Telephonic b)□ Video Conference c)□ Personal [copy given to: 1)□ applicant	2)⊠ applicant's represer	ntative]
Exhibit shown or demonstration conducted: d) Yes If Yes, brief description:	e)⊡ No.	
Claim(s) discussed: <u>16-32</u> .		
Identification of prior art discussed:		
Agreement with respect to the claims f)⊠ was reached.	g)⊡ was not reached. h)□ N/A.
Substance of Interview including description of the general		
Substance of Interview including description of the genera reached, or any other comments: <u>Claims 16-32 are cance</u>	il nature of what was agree <u>led</u> .	ed to if an agreement was
(A fuller description, if necessary, and a copy of the amendallowable, if available, must be attached. Also, where no callowable is available, a summary thereof must be attache	CODV of the amendments t	er agreed would render the claim hat would render the claims
THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ANTERVIEW. (See MPEP Section 713.04). If a reply to the GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR FORM, WHICHEVER IS LATER, TO FILE A STATEMENT Summary of Record of Interview requirements on reverse so	e last Office action has alro THE MAILING DATE OF OF THE SUBSTANCE OF	eady been filed, APPLICANT IS
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xaminer Note: You must sign this form unless it is an	· · · · · · · · · · · · · · · · · · ·	
ttachment to a signed Office action.	Examiner's	signature, if required

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DETAILED ACTION

Claims 1-15 are presented for examination.

Information Disclosure Statement

- This office acknowledges receipt of the following items from the Applicant:
 Information Disclosure Statement (IDS) filed on April 19, 2004.
- 3. Information disclosed and list on PTO 1449 was considered.

Priority

4. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 10/021,639, filed on 12/12/2001.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Scott A. Schaffer on May 21, 2004.

The application has been amended as follows:

Claims 16-32 are canceled.

Reasons for Allowance

6. Claims 1-15 are allowed.

The following is an examiner's statement of reasons for allowance:

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Claims 1-15 include allowable subject matter since the prior art made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Kawamura (U.S. Patent No. 6,288,936), Kwon et al. (U.S. Patent No. 5,768,215), and others, does not teach the claimed invention having a nonvolatile semiconductor memory device comprises wherein the bitline control voltage is charged to a first voltage during a part of a first bitline setup period, a second voltage during the remaining of the first bit line period, and a third voltage during a second bitline setup period.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thong Q. Le whose telephone number is 571-272-1783. The examiner can normally be reached on 8:00am-5:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thong Q. Le Primary Examiner Art Unit 2818

Woyle

THONG LEI PRIMARY EXAMINER